

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/781,339
Filing Date	February 18, 2004
First Named Inventor	Panepucci, Roberto
Group Art Unit	2874
Examiner Name	Unknown

Sheet 1 of 2

Attorney Docket No: 1153.099US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date if Appropriate
MJS	US-2003/0154771 A1	08/21/2003	de Charmoy, G. H., et al.	03/03/2003
MJS	US-4,242,096	12/30/1980	Oliveira, R., et al.	11/14/1977
MJS	US-4,999,284	03/12/1991	Ward, M. D., et al.	04/06/1988
MJS	US-5,001,053	03/19/1991	Takahashi, M., et al.	09/12/1988
MJS	US-5,135,852	08/04/1992	Ebersole, R. C., et al.	07/25/1989
MJS	US-5,306,644	04/26/1994	Myerholtz, C. A., et al.	04/01/1993
MJS	US-5,541,057	07/30/1996	Bogart, G., et al.	06/10/1993
MJS	US-5,550,063	08/27/1996	Bogart, G.	06/10/1993
MJS	US-5,658,732	08/19/1997	Ebersole, R. C., et al.	03/01/1995
MJS	US-5,705,399	01/01/1998	Larue, R.	05/20/1994
MJS	US-5,719,324	02/17/1998	Thundat, T. G., et al.	06/16/1995
MJS	US-5,756,279	05/26/1998	Ebersole, R. C., et al.	05/09/1997
MJS	US-5,807,758	09/15/1998	Lee, G. U., et al.	07/21/1995
MJS	US-5,814,525	09/29/1998	Renschler, C. L., et al.	01/25/1996
MJS	US-5,945,280	08/31/1999	Fawcett, N. C., et al.	06/07/1995
MJS	US-6,016,686	01/25/2000	Thundat, T. G.	03/16/1998
MJS	US-6,124,765	09/26/2000	Chan, T. C., et al.	10/24/1997
MJS	US-6,203,983	03/01/2001	Quate, C. F., et al.	06/16/1998
MJS	US-6,436,647	08/20/2002	Quate, C. F., et al.	03/19/2001

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T *
MJS		"1.2.1 Contact AFM", A Practical Guide to Scanning Probe Microscopy, Chapter 1, Section 1.2.1, Thermo Microscopes website: <a href="http://www.topometrix.com/sprmguide/1-2-1.htm">http://www.topometrix.com/sprmguide/1-2-1.htm</a> , (Observed October 28, 2002), 3 pgs.	
MJS		BASELT, D. R., et al., "A High-Sensitivity Micromachined Biosensor", <u>Proc. IEEE</u> , 85 (4), (1997), 672-680 (April)	
MJS		BASELT, D. R., et al., "Biosensor Based on Force Microscope Technology", <u>J. Vac. Sci. Technol. B.</u> , 14 (2), (1996), 789-793	
MJS		BOYD, R. W., et al., "Sensitive Disk Resonator Photonic Biosensor", <u>Applied Optics</u> , 40(31), (2001), 5742-5747 (November)	
MJS		BRECHT, A., et al., "Optical Probes and Transducers", <u>Biosensors &amp; Bioelectronics</u> , 10(9-10), (1995), 923-936	
MJS		CARR, D., et al., "Fabrication of Nanoelectromechanical Systems in Single Crystal Silicon Using Silicon on Insulator Substrates and Electron Beam Lithography", <u>J. Vac. Sci. Technol. B.</u> , 15(6), (1997), 2760-2763 (November)	

EXAMINER

M. Stahl

DATE CONSIDERED 11/4/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/781,339
	Filing Date	February 18, 2004
	First Named Inventor	Panepucci, Roberto
	Group Art Unit	2874
	Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket No: 1153.099US1	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MJS		CARR, D. W., et al., "Measurement of Mechanical Resonance and Losses in Nanometer Scale Silicon Wires", <u>Applied Physics Letters</u> , 75(7), (1999), 920-922	
MJS		CARR, D., et al., "Measurement of Nanomechanical Resonant Structures in Single-Crystal Silicon", <u>J. Vac. Sci. Technol. B</u> , 16(6), (1998), 3821-3824	
MJS		FRITZ, J., et al., "Translating Biomolecular Recognition into Nanomechanics", <u>Science</u> , 288, (2000), 316-318 (April)	
MJS		ILIC, B., "Mechanical Resonant Immunospecific Biological Detector", <u>Applied Physics Letters</u> , 77(3), (2000), 450-452 (July)	
MJS		ILIC, B., et al., "Ultra-Sensitive Resonant Frequency Based Mass Detector", <u>Proc. Electrochem. Soc.</u> , (2000), 1 pg.	
MJS		KADAR, Z., "Integrated Resonant Magnetic Field Sensor", <a href="http://www.xs4all.nl/~kadzsol/thesis/ch2/chap2.html">http://www.xs4all.nl/~kadzsol/thesis/ch2/chap2.html</a> , Philosophical Dissertation, Chapter 2, "Design Considerations", (1997), 21 pgs.	
MJS		LANG, H., et al., "A Chemical Sensor Based on a Micromechanical Cantilever Array for the Identification of Gases and Vapors", <u>Applied Physics A</u> , 66, (1998), S61-S64	
MJS		LANG, H. P., et al., "Sequential Position Readout From Arrays of Micromechanical Cantilever Sensors", <u>Applied Physics Letters</u> , 72(3), (1998), 383-385 (January)	
MJS		MEYER, G., et al., "Novel Optical Approach to Atomic Force Microscopy", <u>Applied Physics Letters</u> , 53(12), (1988), 1045-1047 (September)	
MJS		NEWELL, W. E., "Miniaturization of Tuning Forks - Integrated Electronic Circuits Provide the Incentive and the Means for Orders-of-Magnitude Reduction in Size", <u>Science</u> , 161(3848), (1968), 1320-1326 (September)	
MJS		PETERSEN, K. E., "Silicon as a Mechanical Material", <u>Proceedings of the IEEE</u> , 70(5), (1982), 420-469 (May)	
MJS		SARID, D., In: <u>Scanning Force Microscopy With Applications to Electric, Magnetic and Atomic Forces</u> , Oxford University Press, New York, NY, (1994), 271 pgs.	
MJS		SATOH, K., et al., "Effects of Various Thiol Molecules Added on Morphology of Dendrimer-Fold Nanocomposites", <u>Journal of Colloid and Interface Science</u> , 255, (2002), 312-322	
MJS		SILVERMAN, P. J., "The Intel Lithography Roadmap", <u>Intel@ Technology Journal</u> , 6(2), (2002), 55-61	
MJS		THUNDAT, T., et al., "Detection of Mercury Vapor Using Resonating Microcantilevers", <u>Applied Physics Letters</u> , 66(13), (1995), 1695-1697 (March)	
MJS		THUNDAT, T., et al., "Thermal and Ambient-Induced Deflections of Scanning Force Microscope Cantilevers", <u>Applied Physics Letters</u> , 64(21), (1994), 2894-2896 (May)	

EXAMINER

M. Stahl

DATE CONSIDERED

11/4/05